

Biology-Environmental Studies Major

Program of Study Type

Combined Major

Total credit requirements for a Biology-Environmental Studies major: 66 (including 27 credits in Biology, 14 credits in supporting Science, and 25 credits in required coursework for all Environmental Studies majors)

Common Requirements for all Environmental Studies Majors

- **Required Courses**
 - *Introductory Coursework:* Environmental Studies 120 and 207
 - *Foundation Coursework:* Fulfill the following requirements for the two areas outside of your area of concentration (arts and humanities, natural and physical sciences, or social sciences).
 - Environmental Arts and Humanities: Take two elective courses from the list below.
 - Environmental Natural and Physical Sciences: Take 7 credits in elective courses from the list below. Credits must come from at least two departments, and include at least one course with a lab.
 - Environmental Social Sciences: Take two elective courses from the list below.
 - *Interdisciplinary Coursework:* Take one interdisciplinary elective from the list below.
 - *Senior Coursework:* Environmental Studies 479
- **Additional Requirements**
 - Fulfill all of the requirements for a major in a specific area of concentration, chosen from:
 - Environmental Arts and Humanities: Art-Environmental Studies or Environmental Humanities
 - Environmental Natural and Physical Sciences: Biology-Environmental Studies, Chemistry-Environmental Studies, Geology-Environmental Studies, or Physics-Environmental Studies
 - Environmental Social Sciences: Anthropology-Environmental Studies, Economics-Environmental Studies, History-Environmental Studies, Politics-Environmental Studies, or Sociology-Environmental Studies
- **Senior Requirements**
 - Environmental Studies 479
 - Further requirements as specified by the chosen major
- **Honors**
 - Specified within each major
- **Notes**
 - Up to 8 transfer credits may be applied to a major in Environmental Studies.
 - No courses taken P-D-F can be applied toward the major.

Requirements for Biology-Environmental Studies Majors

- **Complete the Common Requirements for all Environmental Studies Majors (25 Credits)**
- **Required Biology Courses**
 - Biology 101, 101L, 102, and 102L
 - 3 credits of Biology 490 or 498
 - Biology 499
 - Upper-level electives (at least 3 credits must be taken at the 200-level before proceeding to coursework at the 300-level):
 - Three credits in Molecular/Cell Biology
 - Four credits in Organismal Biology
 - Eight credits in Ecology/Evolution
- **Required Supporting Science Courses**
 - Chemistry 125, 126, 135, and 136; or 140
 - Chemistry 245
 - Mathematics 124 or 125; or a course in statistics (Mathematics 128 or 247, Economics 227, Psychology 210, or Sociology 208)
- **Senior Requirements**

- 3 credits of Biology 490 or 498
- Biology 499
- One-hour oral exam and a passing score on the senior written exam
- **Honors**
 - Students do not apply for admission to candidacy for honors.
 - Accumulated at least 87 credits
 - Completed two semesters of residency at Whitman
 - Major GPA of at least 3.500
 - Complete a written thesis or research project prepared exclusively for the satisfaction of this program.
 - Earn a grade of at least A- on the honors thesis or project and the honors thesis course.
 - Pass the senior assessment with distinction.
 - Chair of the department will notify the Registrar of students attaining honors no later than the beginning of Week 12.
 - An acceptable copy of the Honors Thesis must be submitted to Penrose Library no later than Reading Day.
- **Notes**
 - Courses in Physics are recommended.

Item #	Title	Credits
	Environmental Arts and Humanities Electives	
	Environmental Social Sciences Electives	
	Interdisciplinary Environmental Studies Electives	
	Molecular/Cell Biology Electives	
	Organismal Biology Electives	
	Ecology/Evolution Electives	
	Total Credits	66